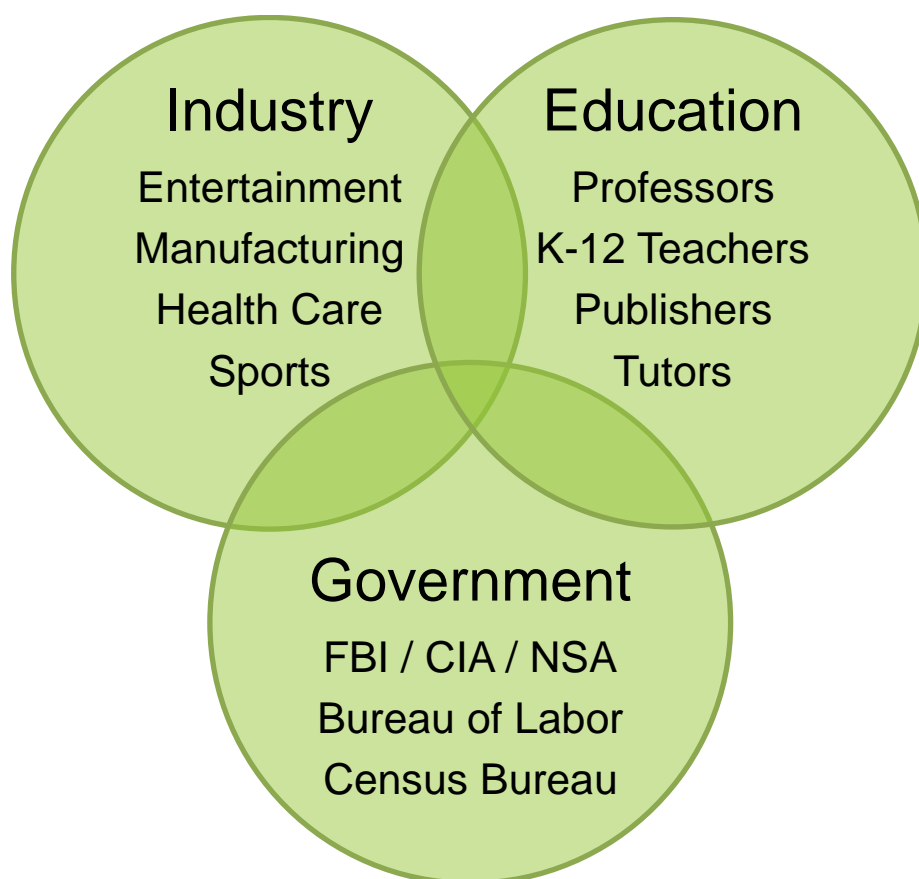


STEP 4: Learn about Careers in Mathematics

Mathematicians work in a diverse variety of careers. The largest single employer of mathematicians in the U.S. is the National Security Agency (NSA). Some of the work done by NSA mathematicians involves solving problems related to signals and codes, as well as developing algorithms and other methods to protect important national security information. A few examples of areas in which mathematicians work are shown below.



What kind of jobs did the speakers talk about?

What kinds of problems did they use math for? What types of work have they done? Write down one or two of your favorites.



What kind of job would you like to do in the future?

Write down one or two.

Did you know mathematicians help create some TV shows and movies? They can be writers, producers, directors, technical advisors—even actors. Actress Danica McKellar has a degree in math, writes math books, and has a theorem named after her!